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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

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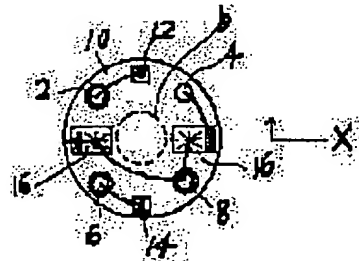
TADATSU YOSHIKI

(54) POLYCHROMATIC LUMINOUS ELEMENT

(57)Abstract:

PURPOSE: To improve the luminous efficiency and achieve favorable color mixtures by using as little amount of light dispersant in a mold, one of the causes of degraded luminous efficiency, as possible.

CONSTITUTION: The title polychromatic luminous element consists of a plurality of LED chips 12, 14 and 16, each different in luminescent color. The LED chips are placed on the periphery of a stem 10 in positions outside the field of view as seen from the optical axis of a focusing means which mixes beams of lights from the LED chips. Alternatively, LED chips 16 emitting blue light are placed in the center of the stem in positions within the field of view as seen from the optical axis of the focusing means, and LED chips 12 and 14 emitting non-blue light are placed on the periphery of the stem in positions outside the field of view.



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